

**To:** Restivo, Angela[Restivo.Angela@epa.gov]  
**From:** Crossland, Ronnie  
**Sent:** Sat 8/8/2015 11:32:39 PM  
**Subject:** Fwd: Questions about pretreatment

Sent from my iPhone

Begin forwarded message:

**From:** "Ostrander, David" <Ostrander.David@epa.gov>  
**Date:** August 8, 2015 at 5:48:26 PM CDT  
**To:** "Crossland, Ronnie" <Crossland.Ronnie@epa.gov>  
**Subject:** Fwd: Questions about pretreatment

Sent from my iPhone

Begin forwarded message:

**From:** "Griswold, Hays" <Griswold.Hays@epa.gov>  
**Date:** August 8, 2015 at 4:36:00 PM MDT  
**To:** "Ostrander, David" <Ostrander.David@epa.gov>  
**Subject:** Re: Questions about pretreatment

Maybe not in a civil manner.

The ponds are being cobbled together out of waste rock washed down and lined with liner that was on hand. The flocculant is being hand fed into the flume at the adit as is caustic and or lime depending on availability and all goes to the first pond then down to cement creek which is looking like a banana milkshake due to the rain.

If you want to forward this back to him please do.

Maybe I should take a series of pictures of system for illustration.

Hays

Sent from my iPhone

On Aug 8, 2015, at 1:44 PM, Ostrander, David <Ostrander.David@epa.gov> wrote:

Can you answer these questions?

Sent from my iPhone

Begin forwarded message:

**From:** "Crossland, Ronnie" <[Crossland.Ronnie@epa.gov](mailto:Crossland.Ronnie@epa.gov)>  
**Date:** August 8, 2015 at 1:39:09 PM MDT  
**To:** "Ostrander, David" <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>  
**Subject:** FW: Questions about pretreatment

David,

We had a discussion with NMED today and they had the following questions which they would like to have answers to help them plan for possible affects to drinking water systems.

- ☐ Specifically what type of coagulant is being used to treat the water?
- ☐ Is the water being treated in the holding pond being released to the Animas River?
- ☐ If so, holding time for this releasing?
- ☐ Is care being taken to ensure that floc is not leaving the treatment area?
- ☐ Are samples of the treated water being collected?
- ☐ Are they also conducting field monitoring for standard water quality parameters (pH, DO, turbidity, temp) prior to releasing?

Thanks,

Ronnie

